

General and Classified Index

COMBUSTION, Volume Thirteen, July 1941 through June 1942

EDITORIALS—

	PAGE
Air Raid Protection for Power Plants.....	Dec. 1941 29
Aliens in Defense Work.....	Feb. 1942 25
Anti-Smoke Regulations vs. Coal Supply.....	Mar. 1942 25
Challenge, A.....	Jan. 1942 29
Coal Rate per Kilowatt-Hour Continues Downward.....	Oct. 1941 33
Coal Stocks.....	Feb. 1942 25
Deferments.....	Jan. 1942 29
Embrittlement Detection.....	Dec. 1941 29
Employment and Earnings of Engineers.....	July 1941 27
Engineering Guidance.....	Mar. 1942 25
Engineering Meetings.....	Apr. 1942 31
F. P. C. Plan for Increased Capacity, The.....	Aug. 1941 19
Fuel Oil Outlook.....	Mar. 1942 25
Functions of Power Agencies Defined.....	May 1942 31
Hydrogen Evolution in Steam Boilers.....	Sept. 1941 31
Inventions for Defense.....	July 1941 27
Looking Ahead to Emergency Coal Selection.....	Nov. 1941 29
Materials Conservation vs. Factor of Safety.....	June 1942 29
Maximum Coal Prices Sought.....	Sept. 1941 31
Meeting Accelerated Production.....	May 1942 31
Meeting the Power Demand.....	Jan. 1942 29
New Policy Curbs Further Construction.....	June 1942 29
Power for War Production.....	Apr. 1942 31
Power Pool in the South.....	Nov. 1941 29
Shifting Reserve Capacity.....	Feb. 1942 25
Spares and Replacements.....	Sept. 1941 31
Supply of Engineers, Now and Later.....	Nov. 1941 29
Tanker Construction.....	Oct. 1941 33
Technical Man Power.....	May 1942 31
Ten Years Advance in Radiography.....	Aug. 1941 19
X-Raying as an Aid in Defense Work.....	Oct. 1941 33

ARTICLES—

A.S.M.E. Panel Discussion on Power Plant Problems.....	June 1942 30
Adjustment of Pulverized-Fuel Burning Equipment. Contributions by Henry Kreisinger, A. C. Foster, Ollison Craig and F. G. Ely.....	Nov. 1941 31
Amortization of Emergency Facilities.....	Sept. 1941 36
Application of Superheaters to Existing Boilers in Small Plants. By F. I. Epley.....	June 1942 43
Automatic Control of Natural-Gas-Fired Power Boilers. By Charles W. Parsons.....	Apr. 1942 43
Avoiding Deposits and Corrosion in Regenerative Type Air Preheaters. By Joseph Waitkus.....	Apr. 1942 50
Boiler Feed-Pump Operation. By William Maddock.....	Jan. 1942 39
Btu Values of a Coal, The. By J. F. Barkley and L. R. Burdick.....	Feb. 1942 33
Burning Bagasse as Fuel. By J. B. Crane.....	Sept. 1941 32
Burning Pulverized Anthracite. By C. H. Frick.....	Jan. 1942 43
Cleaning the Regenerative-Type Air Preheater. By Joseph Waitkus.....	Mar. 1942 39
Coal Handling for Central Stations. By George C. Daniels.....	July 1941 32
Coal Research and the War Effort. By A. W. Thorson.....	June 1942 46
Combustion Analysis. By H. B. Lammers and E. B. Woodruff.....	Sept. 1941 41
Combustion Calculations by Graphical Methods. By W. S. Patterson and A. L. Nicolai.....	Aug. 1941 25
Combustion Calculations by Graphical Methods. By A. L. Nicolai.....	Dec. 1941 44
Blast Furnace Gas.....	June 1942 32
Coke and Coke Breeze.....	Oct. 1941 39
Coke-Oven Gas.....	Feb. 1942 38
Natural Gas.....	Apr. 1942 37
U. S. Coals.....	Jan. 1942 30
Correct Power Station Lubrication Not Based on "Rules of Thumb." By Howard Cooper.....	Jan. 1942 30
Corrosion of Steel by Steam at High Temperature. By H. L. Solberg, G. A. Hawkins and A. A. Potter.....	Oct. 1941 50
Degasification of Steam Samples for Conductivity Tests. By P. B. Place.....	Aug. 1941 31
Demand, Production and Stocks.....	Sept. 1941 51
Determining Coal Characteristics.....	Sept. 1941 39
Determining Moisture Content of Coal. By J. F. Barkley.....	Dec. 1941 50
Dust Problems in Burning Blast-Furnace Gas Under Steam Boilers. By A. R. Mumford.....	May 1942 35
Electrical Engineers Discuss Power for Defense.....	Dec. 1941 59
Engineers Inspect Montaup Boiler.....	Dec. 1941 38
Erosion of Induced Draft Fans.....	Mar. 1942 37
Experience with Embrittlement Detector. Papers by E. P. Partridge, C. E. Kaufman and R. E. Hall; T. E. Purcell and S. H. Whirl; P. G. Bird and E. G. Johnson; R. C. Bardwell and H. M. Laudeman; Frederick G. Straub; W. C. Schroeder and A. A. Berk.....	Dec. 1941 35
Firing with Multiple-Retort Underfeed Stokers. Contributions by George P. Jackson, J. S. Bennett and F. S. Scott.....	Nov. 1941 30
Fuel Situation in South America. By L. Levitan and J. B. Crane.....	Nov. 1941 49

Graphical Check for Flue Gas Analysis, A. By Alan Ruch.....	July 1941 37
Grate Temperatures a Measure of Ignition Penetration. By Walter H. Wood.....	Feb. 1942 31
Guide for Inventors, A. By Leo T. Parker.....	Apr. 1942 47
Highest Pressure Turbine Now in Service at Twin Branch.....	Nov. 1941 43
Huge Power Expansion Planned.....	Aug. 1941 20
Magnetic Test for Cracks in Boiler Tubes.....	Aug. 1941 39
Marine Power Plant Employs 1200 Lb Steam Pressure.....	Dec. 1941 43
Midwest Power Conference.....	Apr. 1942 32
Power Requirements. By Leland Olds.....	Nov. 1941 32
Prevention of Fuel Waste. By V. G. Leach.....	32
Maximum Output from Existing Boiler Plants. By E. G. Bailey.....	32
Forced-Circulation Boiler. By F. H. Rosencrans.....	33
Results with Large Spreader Stoker. By R. N. Bucks.....	34
Water Problems in Small Power Plants. By E. P. Partridge and A. L. Soderberg.....	34
Natural Circulation Problems. By A. A. Markson.....	35
Power in the Flour Milling Industry. By A. R. Ulstrom.....	35
Million-Volt Radiography of Boiler Drums.....	Aug. 1941 41
Mobile Power Plants for Navy.....	Nov. 1941 39
Modern Turbine Developments. By J. R. Carlson.....	Mar. 1942 43
Notes on Slag Removal.....	Aug. 1941 37
Novel Tests for Stack Height.....	Jan. 1942 38
Over 2,000,000 Kw of New Capacity Scheduled for Remainder of 1941.....	Oct. 1941 54
Port Washington, 1941 Operation.....	Jan. 1942 37
Power and the War Effort. By Leland Olds.....	May 1942 39
Power from Process Steam. By Everett E. Thomas.....	Feb. 1942 26
Power Plants of the Liberty Ships.....	May 1942 32
Recirculation of Fly Ash in Boiler Furnaces. By Hudson H. Bubar.....	Jan. 1942 33
Relation of Suction Head to Capacity with Hot Water Pumps. By F. C. Freeman.....	Nov. 1941 40
Relative Merits of Sampling Nozzles, Large and Small, for Dust Determination. By Hudson H. Bubar.....	June 1942 39
Removing Oil from Condensate.....	Jan. 1942 46
Sampling of Steam and Boiler Water. By A. R. Belyea and A. H. Moody.....	July 1941 46
Size Distribution in Pulverized Fuel and Stack Dusts. By H. L. Olin, A. A. Smith and G. L. Shaw.....	Sept. 1941 37
Some Power Plants Serving Defense Activities.....	Oct. 1941 44
Steam-Flow Characteristics of Extraction Turbines. By H. E. Morgan.....	Oct. 1941 52
Steam Generating Units at the Glendale Power Plant. By O. H. Hedrich.....	July 1941 28
Storage of Bagasse. By G. H. Rounthwaite.....	May 1942 45
Textile Finisher Adds Large Unit. By J. C. Porter.....	Feb. 1942 37
Topping Extension to West Reading Station. By George S. Fries.....	Dec. 1941 30
Transporting the Somerset Steam Drum.....	Aug. 1941 22
Turbines for Power Generation from Industrial Gases. By John Goldsberry and J. R. Henderson.....	Nov. 1941 45
Venice Plant No. 2 of Union Electric Company of Illinois. By R. R. Wisner and Stanley Stokes.....	Oct. 1941 46
Waterside Completes Topping Program.....	Mar. 1942 26
Part 1—Steam-Generation. By H. A. Johnson.....	26
Part 2—Turbines and Auxiliaries. By H. Knecht.....	33
What About Your Coal Pile? By Howard A. Gray.....	May 1942 43
What Has Been Happening in Load and Capacity? By Colonel H. S. Bennion.....	July 1941 42
X-Raying at a Million Volts Discussed at Symposium. By Dr. E. E. Charlton, W. F. Westendorf, Donald McCutcheon, C. D. Moriarty, O. R. Carpenter, A. J. Moses and E. W. Page.....	Oct. 1941 34

AUTHORS—

Bailey, E. G.—Maximum Output From Existing Boiler Plants, Midwest Power Conference.....	Apr. 1942 32
Bardwell, R. C. and H. M. Laudeman—Experience with Embrittlement Detector, A.S.M.E. Annual Meeting.....	Dec. 1941 37
Barkley, J. F.—Determining Moisture Content of Coal.....	Dec. 1941 50
Barkley, J. F. and L. R. Burdick—The Btu Values of a Coal.....	Feb. 1942 33
Belyea, A. R. and A. H. Moody—Sampling of Steam and Boiler Water.....	July 1941 46
Bennett, J. S.—Firing with Multiple-Retort Underfeed Stokers, A.S.M.E. Fuels Division and A.I.M.E. Coal Division Joint Meeting.....	Nov. 1941 31
Bennion, Colonel H. S.—What Has Been Happening in Load and Capacity?.....	July 1941 42
Berk, A. A. and W. C. Schroeder—Experience with Embrittlement Detector, A.S.M.E. Annual Meeting.....	Dec. 1941 37
Bird, P. G. and E. G. Johnson—Experience with Embrittlement Detector, A.S.M.E. Annual Meeting.....	Dec. 1941 37

	PAGE
Inter-crystalline Cracking of Boiler Steel and Its Prevention. Bureau of Mines Bulletin. By W. C. Schroeder and A. A. Berk.....	Mar. 1942 51
List of Standards. By American Standards Association.....	July 1941 53
Mechanical Engineer's Handbook. Edited by Lionel S. Marks.....	Sept. 1941 48
Men and Volts—The Story of General Electric. By John Winthrop Hammond.....	July 1941 53
Methods of Analysis of Coal and Coke.....	July 1941 53
Modern Marine Engineer's Manual. By Alan Osbourne.....	Dec. 1941 57
Modern Pulp and Paper Making. By G. S. Witham, Sr.....	Mar. 1942 51
Piping Flexibility and Stresses. By S. D. Vinieratos and D. R. Zano.....	Sept. 1941 48
Power Plant Engineering and Design. Frederick T. Morse.....	May 1942 51
Proposed Revision of A.S.M.E. Code for Unfired Pressure Vessels.....	May 1942 51
Refractories—the Backbone of Industry. By John R. Ramsay.....	Mar. 1942 51
Report on Power Requirements. By Federal Power Commission.....	July 1941 53
Results of Municipal Electric Systems.....	Sept. 1941 49
Sixty-Year Index. A.S.M.E. Technical Papers, 1880-1939.....	July 1941 53
Statistics of Electric Utilities in the United States. By Federal Power Commission.....	Mar. 1942 51
Steam Boiler Yearbook and Manual—1942. Edited by Sidney Scorer.....	May 1942 51
Steam Engines and Boilers. Edited by E. Molloy.....	Aug. 1941 42
Steam for Industrial Processing and Power. Edited by E. Molloy.....	Aug. 1941 42
Study of the Collapsing Pressure of Thin-Walled Cylinders, A. By Rolland George Sturm.....	May 1942 51
Symposium on Problems and Practice in Determining Steam Purity by Conductivity Methods.....	May 1942 51
Thermodynamics. By Joseph H. Keenan.....	Dec. 1941 57
Wage and Hour Manual, 1941 Edition.....	July 1941 53
Works Boiler Plant. By F. J. Matthews.....	July 1941 53

CLASSIFIED INDEX—

Auxiliaries

Automatic Control of Natural-Gas-Fired Power Boilers. By Charles W. Parsons.....	Apr. 1942 43
Boiler Feed-Pump Operation.....	Jan. 1942 39
Erosion of Induced Draft Fans.....	Mar. 1942 37
Relation of Suction Head to Capacity with Hot Water Pumps.....	Nov. 1941 40
Waterside Completes Topping Program, Part 2—Turbines and Auxiliaries. By H. Knecht.....	Mar. 1942 33

Boilers

A.S.M.E. Annual Meeting, <i>Experience with Embrittlement Detector</i> . I ec. 1941.....	35
A.S.M.E. Panel Discussion on Power Plant Problems.....	June 1942 30
Application of Superheaters to Existing Boilers in Small Plants. By F. I. Epley.....	June 1942 43
Automatic Control of Natural-Gas-Fired Power Boilers. By Charles W. Parsons.....	Apr. 1942 43
Corrosion of Steel by Steam at High Temperature.....	Oct. 1941 50
Engineers Inspect Montauk Boiler.....	Dec. 1941 38
Hydrogen Evolution in Steam Boilers (Editorial).....	Sept. 1941 31
Magnetic Tests for Cracks in Boiler Tubes.....	Aug. 1941 39
Marine Power Plant Employs 1200 Lb Steam Pressure.....	Dec. 1941 43
Midwest Power Conference.....	Apr. 1942 32
Forced Circulation Boiler. By F. H. Rosencrans.....	33
Maximum Output From Existing Boiler Plants. By E. G. Bailey.....	32
Natural Circulation Problems. By A. A. Markson.....	35
Notes on Slag Removal.....	Aug. 1941 37
Power Plants of the Liberty Ships.....	May 1942 32
Transporting the Somerset Steam Drum.....	Aug. 1941 22
Waterside Completes Topping Program, Part 1—Steam Generation. By H. A. Johnson.....	Mar. 1942 26

Chimneys and Flue Gases

Dust Problems in Burning Blast-Furnace Gas Under Steam Boilers. By A. R. Mumford.....	May 1942 35
Graphical Check for Flue-Gas Analyses, A. By Alan Ruch.....	July 1941 37
Novel Tests for Stack Height.....	Jan. 1942 38
Recirculation of Fly Ash in Boiler Furnaces. By Hudson H. Bubar.....	Jan. 1942 33
Relative Merits of Sampling Nozzles, Large and Small, for Dust Determination. By Hudson H. Bubar.....	June 1942 39
Size Distribution in Pulverized Fuel and Stack Dusts. By H. L. Olin, A. A. Smith and G. L. Shaw.....	Sept. 1941 37

COMBUSTION—June 1942

Coals

Anti-Smoke Regulations vs. Coal Supply (Editorial).....	Mar. 1942 25
Btu Values of a Coal, The. By J. F. Barkley and L. R. Burdick.....	Feb. 1942 33
Coal Rate Per Kilowatt-Hour Continues Downward (Editorial).....	Oct. 1941 33
Coal Research and the War Effort. By A. W. Thorson.....	June 1942 46
Coal Situation Reviewed, The.....	Aug. 1941 43
Coal Stocks (Editorial).....	Feb. 1942 25
Combustion Calculations by Graphical Methods—U. S. Coals. By A. L. Nicolai.....	Apr. 1942 37
Demand, Production and Stocks.....	Sept. 1941 51
Determining Coal Characteristics.....	Sept. 1941 39
Determining Moisture Content of Coal. By J. F. Barkley.....	Dec. 1941 50
Looking Ahead to Emergency Coal Selection (Editorial).....	Nov. 1941 29
Maximum Coal Prices Sought (Editorial).....	Sept. 1941 31
Pulverizing Coal by Steam Explosion.....	May 1942 42
What About Your Coal Pile? By Howard A. Gray.....	May 1942 43

Coal- and Ash-Handling Systems

Coal Handling for Central Stations. By George C. Daniels.....	July 1941 32
Recirculation of Fly Ash in Boiler Furnaces. By Hudson H. Bubar.....	Jan. 1942 33

Combustion

Adjustment of Pulverized-Fuel Burning Equipment, A.S.M.E. Fuels Division and A.I.M.E. Coal Division Joint Meeting. Contributions by Henry Kreisinger, A. C. Foster, Ollison Craig and F. G. Ely.....	Nov. 1941 35
Burning Bagasse as Fuel. By J. B. Crane.....	Sept. 1941 32
Burning Pulverized Anthracite. By C. H. Frick.....	Jan. 1942 43
Combustion Analysis. By H. B. Lammers and E. B. Woodruff.....	Sept. 1941 41
Combustion Calculations by Graphical Methods. By W. S. Patterson and A. L. Nicolai.....	Aug. 1941 25
Combustion Calculations by Graphical Methods. By A. L. Nicolai.....	Dec. 1941 44
Blast Furnace Gas.....	June 1942 32
Coke and Coke Breeze.....	Oct. 1941 39
Coke-Oven Gas.....	Feb. 1942 38
Natural Gas.....	Apr. 1942 37
U. S. Coals.....	Apr. 1942 37
Firing with Multiple-Retort Underfeed Stokers. By Geo. P. Jackson, J. S. Bennett and F. S. Scott.....	Nov. 1941 30
Grate Temperatures a Measure of Ignition Penetration. By Walter H. Wood.....	Feb. 1942 31
Storage of Bagasse. By G. H. Rounthwaite.....	May 1942 45

Feedwater

Carbonaceous Cation and Anion Exchanges in Water Treatment. By S. J. Broderick.....	July 1941 31
Degasification of Steam Samples for Conductivity Tests. By P. B. Place.....	Aug. 1941 31
Embrittlement Detection (Editorial).....	Dec. 1941 29
Experience with Embrittlement Detector. By E. P. Partridge, C. E. Kaufman and R. E. Hall; T. E. Purcell and S. H. Whirl; P. G. Bird and E. G. Johnson; R. C. Bardwell and H. M. Laudemann; F. G. Straub; W. C. Schroeder and A. A. Berk.....	Dec. 1941 35
Hydrogen Evolution in Steam Boilers (Editorial).....	Sept. 1941 31
Midwest Power Conference, <i>Water Problems in Small Power Plants</i> . By E. P. Partridge and A. L. Soderberg.....	Apr. 1942 32
Removing Oil from Condensate.....	Jan. 1942 46
Removing Oil from Condensate. By H. E. Cable.....	Feb. 1942 44
Sampling of Steam and Boiler Water. By A. R. Belyea and A. H. Moody.....	July 1941 46

Fuels

Adjustment of Pulverized-Fuel-Burning Equipment. By Henry Kreisinger, A. C. Foster, Ollison Craig and F. G. Ely.....	Nov. 1941 35
Automatic Control of Natural-Gas-Fired Power Boilers. By Charles W. Parsons.....	Apr. 1942 43
Burning Bagasse as Fuel. By J. B. Crane.....	Sept. 1941 32
Burning Pulverized Anthracite. By C. H. Frick.....	Jan. 1942 43
Combustion Calculations by Graphical Methods. By W. S. Patterson and A. L. Nicolai.....	Aug. 1941 25
Combustion Calculations by Graphical Methods. By A. L. Nicolai.....	Dec. 1941 44
Blast Furnace Gas.....	June 1942 32
Coke and Coke Breeze.....	Feb. 1942 42
Coke-Oven Gas.....	Feb. 1942 38
Natural Gas.....	Apr. 1942 37
U. S. Coals.....	Apr. 1942 37
Dust Problems in Burning Blast-Furnace Gas Under Steam Boilers. By A. R. Mumford.....	May 1942 35
Firing with Multiple-Retort Underfeed Stokers. By Geo. P. Jackson, J. S. Bennett and F. S. Scott.....	Nov. 1941 30
Fuel Oil Outlook (Editorial).....	Mar. 1942 25

	PAGE
Fuel Situation in South America. By L. Levitan and J. B. Crane.....	Nov. 1941 49
Graphical Check for Flue-Gas Analyses, A. By Alan Ruch.....	July 1941 37
Joint Fuels Meeting at Easton, Pennsylvania.....	Oct. 1941 57
Looking Ahead to Emergency Coal Selection (Editorial).....	Nov. 1941 29
Midwest Power Conference, <i>Prevention of Fuel Waste</i> . By V. G. Leach.....	Apr. 1942 32
Storage of Bagasse. By G. H. Rounthwaite.....	May 1942 45

Furnaces

Notes on Slag Removal.....	Aug. 1941 37
Recirculation of Fly Ash in Boiler Furnaces. By Hudson H. Bubar.....	Jan. 1942 33
Relative Merits of Sampling Nozzles, Large and Small, for Dust Determination. By Hudson H. Bubar.....	June 1942 39

General Practice, Developments and Trends

Air Raid Protection for Power Plants (Editorial).....	Dec. 1941 29
Fuel Situation in South America. By L. Levitan and J. B. Crane.....	Nov. 1941 49
Huge Power Expansion Planned.....	Aug. 1941 20
Materials Conservation Versus Factor of Safety (Editorial).....	June 1942 29
Meeting Accelerated Production (Editorial).....	May 1942 31
Meeting the Power Demand (Editorial).....	Jan. 1942 29
Modern Turbine Developments. By J. R. Carlson.....	Mar. 1942 43
New Policy Curbs Further Construction (Editorial).....	June 1942 29
Power and the War Effort. By Leland Olds.....	May 1942 39
Power for War Production (Editorial).....	Apr. 1942 31
Power Pool in the South (Editorial).....	Nov. 1941 29
Shifting Reserve Capacity (Editorial).....	Feb. 1942 25
What Has Been Happening in Load and Capacity? By Colonel H. S. Bennion.....	July 1941 43

Heat Recovery

Avoiding Deposits and Corrosion in Regenerative-Type Air Preheaters. By Joseph Waitkus.....	Apr. 1942 50
Cleaning the Regenerative-Type Air Preheater. By Joseph Waitkus.....	Mar. 1942 39

Installations

Glendale Power Plant, Public Service Department, Glendale, Calif. <i>Steam Generating Units at the Glendale Power Plant</i> . By O. H. Hedrich.....	July 1941 28
Hauto Station, Pennsylvania Power and Light Company <i>Burning Pulverized Anthracite</i> . By C. H. Frick.....	Jan. 1942 43
Pine Grove Generating Station, Pennsylvania Power and Light Company <i>Burning Pulverized Anthracite</i> . By C. H. Frick.....	Jan. 1942 43
Port Washington Station, Wisconsin Electric Power Company <i>Port Washington 1941 Operation</i>	Jan. 1942 37
Rock Hill Printing and Finishing Company, Rock Hill, S. C. <i>Textile Finisher Adds Large Unit</i> . By J. C. Porter.....	Feb. 1942 37
Somerset Station, Montaup Electric Company, Somerset, Mass. <i>Engineers Inspect Montaup Boiler</i>	Dec. 1941 38
<i>Transporting the Somerset Steam Drum</i>	Aug. 1941 22
S. S. Examinar, U. S. Maritime Commission <i>Marine Power Plant Employs 1200 Lb Steam Pressure</i>	Dec. 1941 43
Twin Branch Station, Indiana and Michigan Electric Company, South Bend, Indiana <i>Highest Pressure Turbine Now in Service at Twin Branch</i>	Nov. 1941 43
Venice Plant No. 2, Union Electric Company of Illinois, Venice, Missouri <i>Venice Plant No. 2 of Union Electric Company of Illinois</i> . By R. R. Wisner and Stanley Stokes.....	Oct. 1941 46
Waterside Station No. 2, Consolidated Edison Company of New York <i>Part 1—Steam Generation</i> . By H. A. Johnson <i>Part 2—Turbines and Auxiliaries at Waterside</i> . By H. Knecht.....	Mar. 1942 26
West Reading Station, Metropolitan Edison Company, Reading, Pennsylvania <i>Topping Extension to West Reading Station</i>	Dec. 1941 30

Marine Practice

Marine Power Plant Employs 1200 Lb Steam Pressure. Dec. 1941 43
Power Plants of the Liberty Ships..... May 1942 32

Pulverized Fuel

Adjustment of Pulverized-Fuel-Burning Equipment. Contributions by Henry Kreisinger, A. C. Foster, Ollison Craig and F. G. Ely.....	Nov. 1941 35
Burning Pulverized Anthracite. By C. H. Frick.....	Jan. 1942 43
Pulverizing Coal by Steam Explosion.....	May 1942 42
Size Distribution in Pulverized Fuel and Stack Dusts. By H. L. Olin, A. A. Smith and G. L. Shaw.....	Sept. 1941 37

Radiography

Million Volt Radiography Applied to Boiler Drums.....	Aug. 1941 41
Ten Years Advance in Radiography (Editorial).....	Aug. 1941 19
X-Raying at a Million Volts Discussed at Symposium.....	Oct. 1941 34
X-Raying as an Aid in Defense Work (Editorial).....	Oct. 1941 33

Research

Coal Research and the War Effort. By A. W. Thorson.....	June 1942 46
Corrosion of Steel by Steam at High Temperature. By H. L. Solberg, G. A. Hawkins and A. A. Potter.....	Oct. 1941 50
Experience with Embrittlement Detector. By E. P. Partridge, C. E. Kaufman and R. E. Hall; T. E. Purcell and S. H. Whirl; P. G. Bird and E. G. Johnson; R. C. Bardwell and H. M. Laudemann; F. G. Straub; W. C. Schroeder and A. A. Berk.....	Dec. 1941 35
Impulse Blade Research.....	Jan. 1942 49
Novel Test for Stack Height.....	Jan. 1942 38
Pulverizing Coal by Steam Explosion.....	May 1942 42
Size Distribution in Pulverized Fuel and Stack Dusts. By H. L. Olin, A. A. Smith and G. L. Shaw.....	Sept. 1941 37
Storage of Bagasse. By G. H. Rounthwaite.....	May 1942 45

Smoke Abatement

Anti-Smoke Regulations vs. Coal Supply (Editorial).....	Mar. 1942 25
---	--------------

Steam Pressures, Temperatures and Cycles

Highest Pressure Turbine Now in Service at Twin Branch.....	Nov. 1941	43
Marine Power Plant Employs 1200 Lb Steam Pressure. Dec. 1941		43
Power from Process Steam. By Everett E. Thomas... Feb. 1942		26

Stokers

Firing with Multiple-Retort Underfeed Stokers. By Geo. P. Jackson, J. S. Bennett and F. S. Scott.....	Nov. 1941 30
Grate Temperatures a Measure of Ignition Penetration. By Walter H. Wood.....	Feb. 1942 31
Midwest Power Conference, <i>Results with Large Spreader Stoker</i> . By R. N. Bucks.....	Apr. 1942 34

Turbine-Generators

A.S.M.E. Panel Discussion on Power Plant Problems.....	June 1942 30
Highest Pressure Turbine Now in Service at Twin Branch.....	Nov. 1941 43
Impulse Blade Research.....	Jan. 1942 49
Modern Turbine Developments. By J. R. Carlson.....	Mar. 1942 43
Steam-Flow Characteristics of Extraction Turbines. By H. E. Morgan.....	Oct. 1941 52
Turbine Trends.....	Jan. 1942 32
Turbines for Power Generation from Industrial Gases. By John Goldsburly and J. R. Henderson.....	Nov. 1941 45
Waterside Completes Topping Program, <i>Part 2—Turbines and Auxiliaries</i> . By H. Knecht.....	Mar. 1942 33

Miscellaneous

A.S.M.E. Officers Nominated at Cleveland.....	June 1942 52
A.S.M.E. Panel Discussion on Power Plant Problems.....	June 1942 30
A.S.M.E. Spring Meeting at Houston, Texas, March 23-25, 1942.....	Mar. 1942 49
Aliens in Defense Work (Editorial).....	Feb. 1942 25
Amortization of Emergency Facilities.....	Sept. 1941 36
Correct Power Station Lubrication Not Based on "Rules of Thumb." By Howard Cooper.....	Jan. 1942 30
Corrosion of Steel by Steam at High Temperature. By H. L. Solberg, G. A. Hawkins and A. A. Potter.....	Oct. 1941 50
Deferments (Editorial).....	Jan. 1942 29
Demand Estimates Revised Upward. Report of Federal Power Commission.....	Sept. 1941 55
Electrical Engineers Discuss Power for Defense.....	Dec. 1941 59
Employment and Earnings of Engineers (Editorial).....	July 1941 27
F. P. C. Plan for Increased Capacity, The (Editorial).....	Aug. 1941 19
40,000-Hp Motor Drives Propeller.....	Mar. 1942 37
Functions of Power Agencies Defined (Editorial).....	May 1942 31
Inventions for Defense (Editorial).....	July 1941 27
Midwest Power Conference, April 9-10, 1942.....	Apr. 1942 39
Mobile Power Plants for Navy.....	Nov. 1941 39
1942 Midwest Power Conference.....	Feb. 1942 43
Over 2,000,000 Kw of New Capacity Scheduled for Remainder of 1941.....	Oct. 1941 54
Power and the War Effort. By Leland Olds.....	May 1942 39
Power From Process Steam. By Everett E. Thomas.....	Feb. 1942 26
Spares and Replacements (Editorial).....	Sept. 1941 31
Storage of Bagasse. By G. H. Rounthwaite.....	May 1942 45
Supply of Engineers, Now and Later (Editorial).....	Nov. 1941 29
Tanker Construction (Editorial).....	Oct. 1941 33
Technical Man Power (Editorial).....	May 1942 31
What Has Been Happening in Load and Capacity? By Colonel H. S. Bennion.....	July 1941 43

